

ELEVATION

PP 14 X 0.50 GALVANIZED STEEL PILE

NOTES

PIPE PILES SHALL BE IN ACCORDANCE WITH SECTION 1084 OF THE STANDARD SPECIFICATIONS.

GALVANIZE STEEL PIPE PILES IN ACCORDANCE WITH SECTION 1076 OF THE STANDARD SPECIFICATIONS UNLESS METALLIZING IS REQUIRED. GALVANIZING OR METALLIZING PIPE PILE PLATES IS NOT REQUIRED.

PIPE PILE PLATES SHALL BE IN ACCORDANCE WITH SECTION 450 OF THE STANDARD SPECIFICATIONS.

REMOVE AND REPLACE OR REPAIR TO THE SATISFACTION OF THE ENGINEER PILES THAT ARE DAMAGED, DEFORMED OR COLLAPSED DURING INSTALLATION OR DRIVING.

PILE SPLICES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND AWS D1.1.

FOR CLOSED END PIPE PILES, REMOVE ALL SOIL AND WATER FROM INSIDE THE PILES JUST PRIOR TO PLACING REINFORCING STEEL AND CONCRETE FOR THE CONCRETE PLUG.

FORM THE CONCRETE PLUG SUCH THAT THE REINFORCING STEEL OR CONCRETE DOES NOT MOVE AND THE CLEARANCE FROM THE REINFORCING STEEL TO THE INSIDE OF THE PILE IS MAINTAINED AFTER CONCRETE PLACEMENT. DO NOT PLACE CONCRETE IN THE BENT CAP UNTIL THE CONCRETE PLUG HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI.

THE REINFORCING STEEL, CLASS A CONCRETE, AND GALVANIZING ARE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE BID PER LINEAR FOOT FOR PP 14 X 0.50 GALVANIZED STEEL PILES.

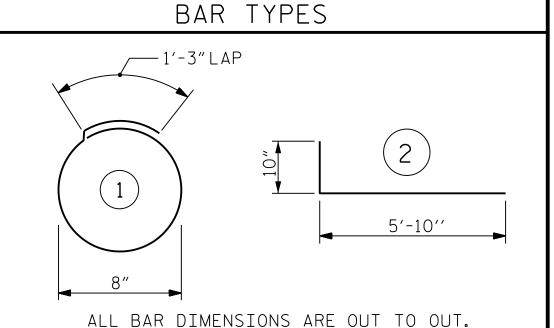
BILL OF MATERIAL FOR ONE PP 14 X 0.50 GALVANIZED STEEL PILE NO. SIZE TYPE LENGTH WEIGHT S1 #4 3′-5″ 14 V1 #5 2 6′-8′′ 42 6 REINFORCING STEEL = 56 lbs

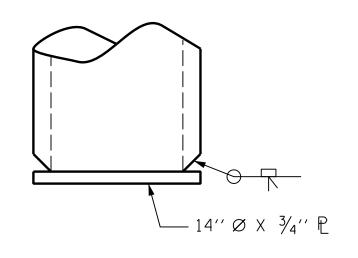
CLASS A CONCRETE

5'-0" MINIMUM PLUG

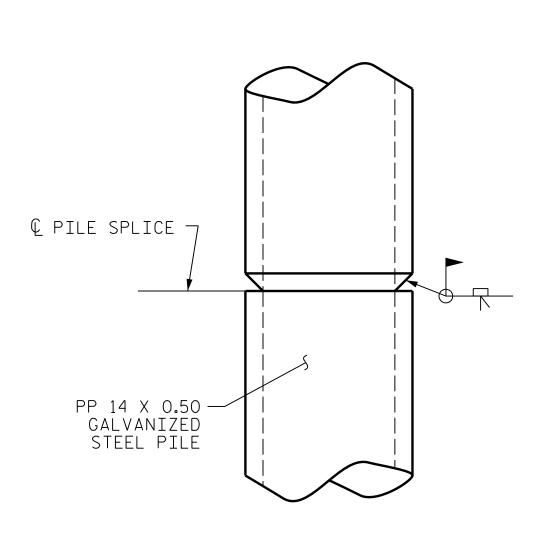
0.2 CY

STEEL PIPE PILES PLATES EA. 12





PIPE PILE PLATE DETAIL

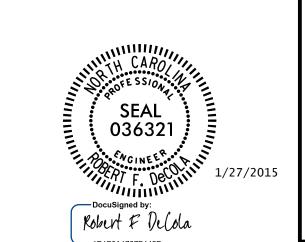


PIPE PILE SPLICE DETAIL

PROJECT NO. R-2514B

ONSLOW COUNTY

STATION: 147+95.00 -L-



STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

STANDARD

14" STEEL PIPE PILE
(LEFT LANE)

THE LOUIS BERGER GROUP, Inc. 1001 Wade Avenue, Suite 400 Raleigh, NC 27605-3322 NC COA No. F-0840 REVISIONS

BY: DATE: NO. BY: DATE: S2-31

TOTAL SHEETS

34

ASSEMBLED BY: JOHN MYA
CHECKED BY: R. DECOLA
DESIGN ENGINEER OF RECORD: R. DECOLA
DRAWN BY: TLA 8/05
CHECKED BY: GM 9/05

ADDED IO/I/05
REV. 5/I/06R
REV. 10/I/II
MAA/KMM
REV. 10/I/II
MAA/GM